

SPECIFICATION:

CROSS-REFERENCE TO RELATED APPLICATIONS: Added to specification reference to Ser.Nr. 60/458,896, filed Mar. 24, 2004.

Page 1, re-title "FIELD OF THE INVENTION" to read "BACKGROUND OF THE INVENTION – FIELD OF THE INVENTION"

Page 1, now BACKGROUND OF THE INVENTION – FIELD OF THE INVENTION, last sentence, delete "~~an electrode is~~", and substitute "electrodes are".

Page 1, re-title "BACKGROUND OF THE INVENTION" to read "BACKGROUND OF THE INVENTION – PRIOR ART". (Now appears on page 2).

Page 2, re-title "SUMMARY OF THE INVENTION" to read "BACKGROUND OF THE INVENTION – OBJECTS AND ADVANTAGES".

Page 2, start new title "SUMMARY" before the paragraph starting with "The purpose off the Soil ---".

Page 2, first paragraph of new SUMMARY, add "It is important when making electrical measurements at radio frequencies that the electrical contact area with the soil be constant so that best testing accuracy can be assured."

Page 2, last paragraph continuing to page 3, add after the sentence ending with "excellent control of the area of contact with the soil", "Cylindrical electrode shapes can not be driven into the soil manually with the precision needed to avoid side forces that would cause the hole to be oval shaped. A cylindrical electrode in an oval shaped hole has significantly less contact area than expected."

Page 3, paragraph continuing from page 2, start a new paragraph beginning with the sentence "Further to controlling the contact area –" and ending with "is in contact with the soil".

Page 3, stop the text under SUMMARY after the paragraph ending with "placement with respect to the soil surface". Insert DRAWINGS – FIGURES followed by the sentence on page 4 under BRIEF DISCRIPTION OF THE DRAWING referencing FIGURE 1.

Page 3, next insert the title "DETAILED DESCRIPTION – PREFERRED EMBODIMENT – FIG.1 before the paragraph beginning with "For this application --".

Page 3, all text after "For this application—", and page 4, paragraphs 1, 2, and 3, are the bulk of the text for DETAILED DESCRIPTION – PREFERRED EMBODIMENT – FIG.1.

Page 4, move the second sentence of the last paragraph beginning with "The point (1) ---" to page 3 to be the second paragraph of the section, DETAILED DESCRIPTION – PREFERRED EMBODIMENT – FIG. 1.

Page 4, the heading "DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT", the first sentence of the last paragraph, and page 5, paragraphs 1, 2, 3, and 4 are deleted.

Page 5, add "CONCLUSION, RAMIFICATIONS, AND SCOPE", new introductory comments, and paragraphs 5 and 6 to after the last paragraph of DETAILED DESCRIPTION – PREFERRED EMBODIMENT – FIG.1 now ending in "--driven into highly compacted soils" . This appears on page 6 of the Amended application.

ABSTRACT: Now appears on a separate page of the Application.